SHA BLOC DESKTOP TOOL MAP - QUEEN ANNE'S COUNTY

BLOC GRADE

- A ≤ 1.5
- B > 1.5 and ≤ 2.5
- C > 2.5 and ≤ 3.5
- D > 3.5 and ≤ 4.5
- E > 4.5 and ≤ 5.5
- F > 5.5

CULTURAL FEATURES

- College/University
- Fire and Rescue
- Hospital
- Park and Ride
- Place of Worship
- Police
- School
- Transit Stations
- 2006 Bike/Pedestrian Crash Data

BICYCLE ROUTES

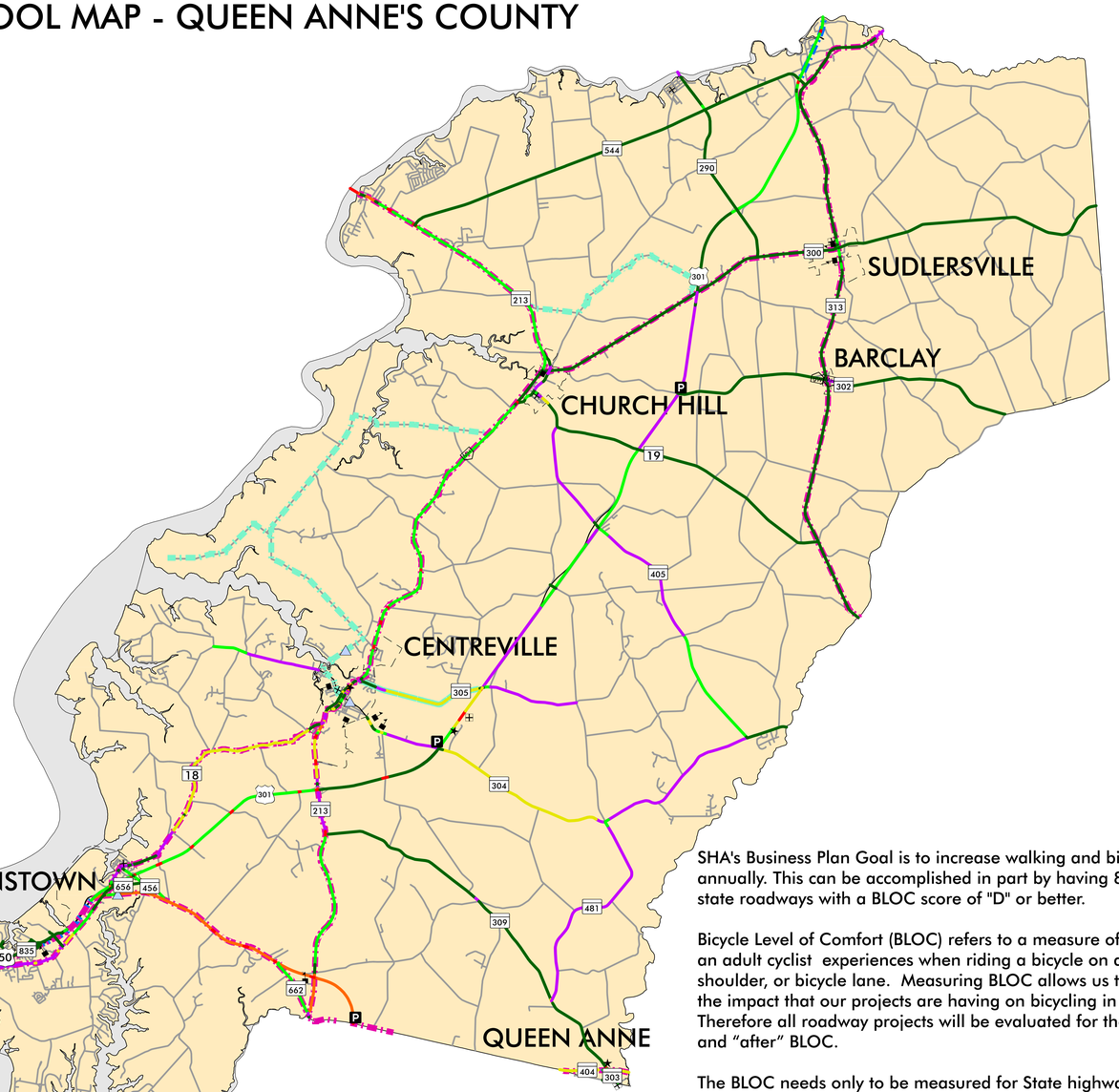
- Prohibited Roads
- Bike Routes
- East Coast Greenway
- Other Trails

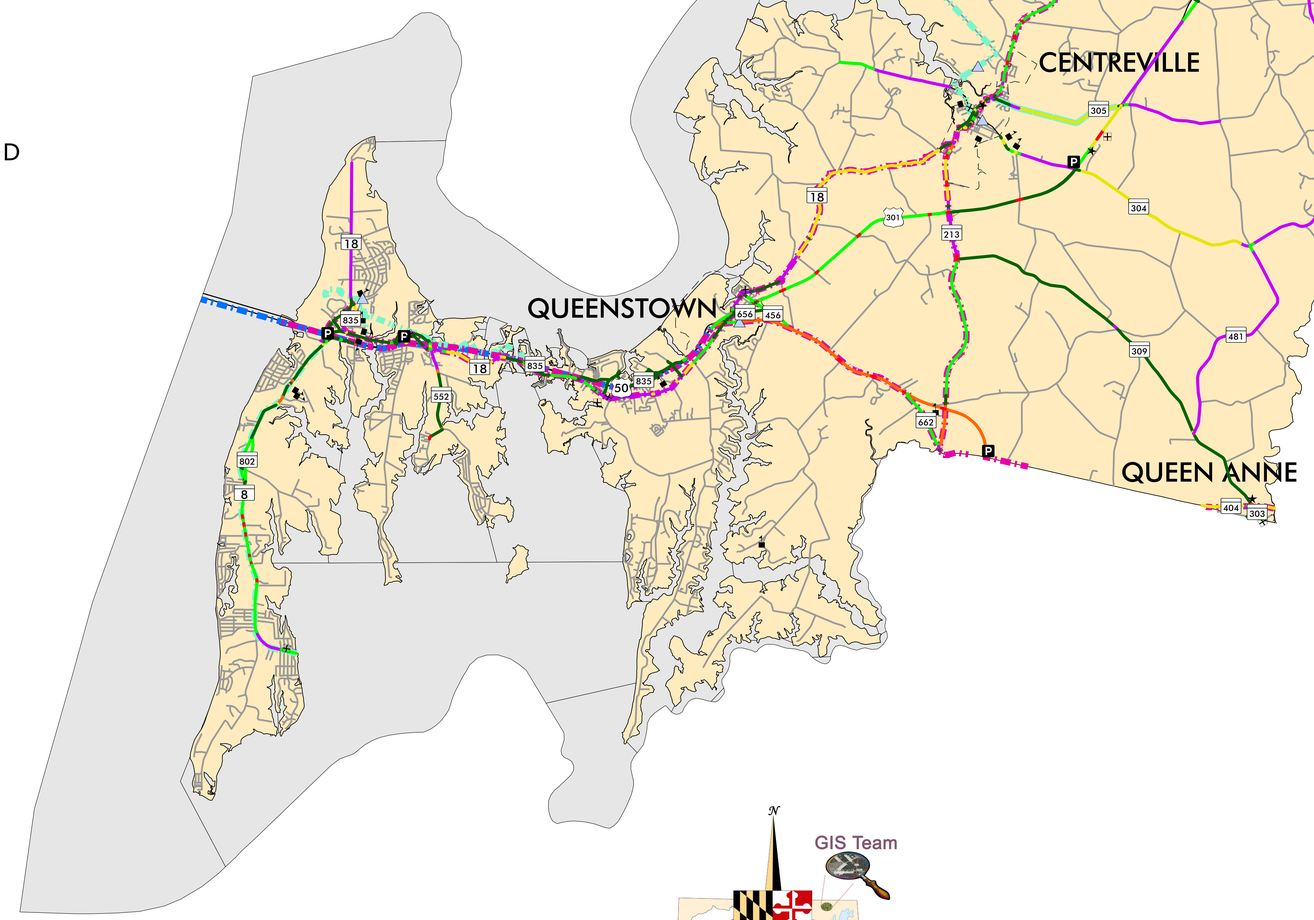
The Bicycle Level of Comfort (BLOC) desktop tool can be accessed through http://shahisdweb/shabloc/ .

The desktop tool automatically calculates the BLOC formula:
BLOC = a1*ln (Vol15/Ln) + a2*SPt (1+10.38HV)2 + a3*(1/PR5)2 + a4*(We)2 + C

BLOC = 0.507*VOLUME + 0.199*SPEED + 7.066*PAVEMENT – 0.005*WIDTH + 0.760

The desktop tool calculate BLOC in the road inventory directions only.





ROAD NAMES OF BLOC GRADE > D

County	Prefix	Rte Num	Rte Name	BMP	EMP	Shld Wid	AADT	IRI	HV	Score	Grade
17	MD	8	ROMANCOKE RD	2.044	2.125	0	9881	4	7	5.7	F
17	MD	8	ROMANCOKE RD	2.441	2.496	0	9881	4	7	5.7	F
17	MD	8	ROMANCOKE RD	2.608	2.676	0	9881	4	7	5.7	F
17	MD	8	ROMANCOKE RD	3.046	3.14	0	9881	4	7	5.7	F
17	MD	8	ROMANCOKE RD	3.259	3.36	0	9881	4	7	5.7	F
17	MD	8	ROMANCOKE RD	3.434	3.531	0	9881	4	7	5.7	F
17	MD	8	ROMANCOKE RD	4.193	4.267	0	9881	4	4	4.8	E
17	MD	8	ROMANCOKE RD	4.522	4.598	0	9881	4	7	5.7	F
17	MD	8	ROMANCOKE RD	6.21	6.388	0	9881	4	6	5.2	E
17	MD	8	ROMANCOKE RD	6.735	6.8	0	9881	4	6	5.1	E
17	MD	8	ROMANCOKE RD	7.136	7.194	0	9881	4	6	5.1	E
17	MD	18	CASTLE MARINA RD	0.079	0.11	0	8160	3	6	4.5	E
17	MD	213	COLLEGE DR	0	0.75	0	7801	4	6	5.1	E
17	MD	213	COLLEGE DR	0.79	0.82	0	7801	4	6	5.5	E
17	MD	213	CENTREVILLE RD	0.82	0.85	0	7801	4	6	4.9	E
17	MD	213	CENTREVILLE RD	0.85	0.87	0	7801	4	6	4.9	E
17	MD	213	CENTREVILLE RD	4.116	4.19	0	7801	4	7	5.6	F
17	MD	213	CENTREVILLE RD	4.19	4.262	0	10371	3	10	7.2	F
17	MD	213	CENTREVILLE RD	5.16	5.21	5	10371	3	10	5.9	F
17	MD	213	CENTREVILLE RD	5.21	5.23	5	14831	4	10	5.3	E
17	MD	213	CENTREVILLE RD	5.732	5.867	4	14831	4	10	6	F
17	MD	213	CENTREVILLE RD	6.32	6.416	0	14831	4	8	6	F
17	MD	213	CENTREVILLE RD	6.416	6.43	0	14831	4	8	5.8	F
17	MD	213	CENTREVILLE RD	6.536	6.67	4	14831	4	8	4.6	E
17	MD	213	CENTREVILLE RD	6.78	6.84	3	15930	4	8	4.6	E
17	MD	213	LIBERTY ST	8.03	8.06	0	13041	4	8	5.2	E
17	MD	213	CHURCH HILL RD	8.867	8.97	0	7901	4	7	5.6	F
17	MD	213	CHURCH HILL RD	9.438	9.541	0	7901	4	7	5.6	F
17	MD	213	CHURCH HILL RD	9.832	9.89	0	7901	4	7	5.6	F
17	MD	213	CHURCH HILL RD	11.055	11.12	0	7901	4	7	5.6	F
17	MD	213	CHURCH HILL RD	15.703	15.76	0	7901	4	7	5.6	F
17	MD	213	CHURCH HILL RD	21.217	21.3	0	10771	4	10	6.7	F
17	MD	213	CHURCH HILL RD	21.3	21.348	0	14731	4	10	6.9	F
17	MD	213	CHURCH HILL RD	21.87	22	0	14731	4	10	6.9	F
17	MD	213	CHURCH HILL RD	22.33	22.56	0	14731	3	4	5.1	E
17	MD	213	CHURCH HILL RD	22.73	22.76	0	14731	3	4	4.8	E
17	MD	213	CHURCH HILL RD	22.76	22.9	0	14731	2	8	6.7	F
17	MD	213	S COMMERCE ST	7.03	7.06	2	7930	3	6	4.6	E
17	MD	213	N COMMERCE ST	7.754	7.843	0	6490	3	6	4.7	E
17	MD	309	STARR RD	0.23	0.35	0	4602	4	5	4.8	E
17	MD	309	STARR RD	0.37	0.399	0	3544	2	5	5.7	F
17	MD	404	QUEEN ANNES HWY	0.897	0.98	0	13241	4	10	7	F
17	MD	404	QUEEN ANNES HWY	0.98	1.036	0	15980	4	10	7.1	F
17	MD	552	DOMINION RD	0	0.04	0	5321	3	7	5.9	F
17	MD	552	DOMINION RD	0.34	0.37	0	5321	3	6	5.1	E
17	MD	552	DOMINION RD	1.04	1.09	0	5321	3	7	5.6	F
17	MD	552	DOMINION RD	1.548	1.63	0	5321	3	6	5.1	E
17	MD	552	DOMINION RD	2.08	2.11	0	5321	3	6	5.1	E
17	MD	835	THOMPSON CREEK SERVICE RD	0.74	0.77	0	9800	3	6	5.2	E
17	US	50	OCEAN GATEWAY	11.82	12.08	10	46160	4	15	5.5	E
17	US	50	OCEAN GATEWAY	12.08	12.17	10	46160	5	15	5.3	E
17	US	50	OCEAN GATEWAY	12.48	12.94	10	46160	5	15	5.3	E
17	US	50	OCEAN GATEWAY	12.94	13.08	0	46160	5	15	9.7	F
17	US	50	OCEAN GATEWAY	13.08	13.45	10	46160	5	15	5.3	E
17	US	50	OCEAN GATEWAY	13.45	14.761	10	46160	4	15	5.5	E
17	US	50	OCEAN GATEWAY	14.761	14.82	0	46160	4	15	9.9	F
17	US	50	OCEAN GATEWAY	14.82	14.86	0	46460	4	15	9.9	F
17	US	50	OCEAN GATEWAY	14.86	15.564	10	46460	4	15	5.5	E
17	US	50	OCEAN GATEWAY	15.564	15.656	0	46460	4	15	9.9	F
17	US	50	OCEAN GATEWAY	15.656	16.33	10	46460	4	15	5.5	E
17	US	50	OCEAN GATEWAY	16.33	16.36	0	46460	4	15	9.9	F
17	US	50	OCEAN GATEWAY	16.36	16.43	10	46460	4	15	5.5	E
17	US	50	OCEAN GATEWAY	16.43	16.479	0	46460	4	15	9.9	F
17	US	50	OCEAN GATEWAY	16.479	17.22	10	46460	4	15	5.5	E
17	US	50	OCEAN GATEWAY	17.22	17.3	0	46460	4	15	9.9	F
17	US	50	OCEAN GATEWAY	17.3	17.32	10	47270	5	15	5.3	E
17	US	50	OCEAN GATEWAY	17.32	17.381	0	47270	5	15	9.7	F
17	US	50	OCEAN GATEWAY	17.381	18.64	10	47270	5	15	5.3	E
17	US	50	OCEAN GATEWAY	18.64	18.729	10	47270	5	15	5.3	E
17	US	50	OCEAN GATEWAY	18.729	18.78	0	47270	4	15	9.9	F
17	US	301	BLUE STAR MEMORIAL HWY	12.321	12.38	8	28380	4	12	5	E
17	US	301	BLUE STAR MEMORIAL HWY	12.38	12.427	0	30180	4	12	8.2	F
17	US	301	BLUE STAR MEMORIAL HWY	12.782	12.88	0	30180	4	12	8.2	F
17	US	301	BLUE STAR MEMORIAL HWY	12.88	12.929	0	30680	4	12	8.3	F
17	US	301	BLUE STAR MEMORIAL HWY	13.468	13.568	0	30680	4	12	8.3	F
17	US	301	BLUE STAR MEMORIAL HWY	14.272	14.378	0	30680	4	12	8.3	F
17	US	301	BLUE STAR MEMORIAL HWY	15.447	15.565	0	30680	4	12	8.3	F
17	US	301	BLUE STAR MEMORIAL HWY	17.092	17.173	0	30680	4	12	8.3	F
17	US	301	BLUE STAR MEMORIAL HWY	17.537	17.58	6	30680	4	12	6.1	E
17	US	301	BLUE STAR MEMORIAL HWY	17.58	17.63	6	19940	5	10	4.9	E
17	US	301	BLUE STAR MEMORIAL HWY	19.042	19.159	0	19940	5	10	7	F
17	US	301	BLUE STAR MEMORIAL HWY	20.52	20.586	0	22690	4	12	8.1	F
17	US	301	BLUE STAR MEMORIAL HWY	21.286	21.53	0	22690	4	12	8.1	F
17	US	301	BLUE STAR MEMORIAL HWY	22.094	22.15	0	22690	4	12	8.1	F
17	US	301	BLUE STAR MEMORIAL HWY	22.18	22.21	0	16310	4	10	7.1	F
17	US	301	BLUE STAR MEMORIAL HWY	37.889	37.998	0	11650	4	10	6.9	F
17	US	301	BLUE STAR MEMORIAL HWY	39.088	39.17	0	11650	4	10	6.9	F

SHA's Business Plan Goal is to increase walking and biking by 2% annually. This can be accomplished in part by having 80% of our state roadways with a BLOC score of "D" or better.

Bicycle Level of Comfort (BLOC) refers to a measure of comfort that an adult cyclist experiences when riding a bicycle on a roadway, shoulder, or bicycle lane. Measuring BLOC allows us to determine the impact that our projects are having on bicycling in Maryland. Therefore all roadway projects will be evaluated for their "before" and "after" BLOC.

The BLOC needs only to be measured for State highways. If your project includes more than one State highway, each should be selected and evaluated. Some state routes are broken into multiple segments. The before and after BLOC will be noted in the Final Review Report for all projects. If the resulting "after" BLOC is less than the "before" BLOC, the project would be reviewed with SHA's Bicycle and Pedestrian Coordinator bikes@sha.state.md.us or 410-545-5656 and a waiver may be required. The goal is to improve the Statewide BLOC scores for each county, district and/or roadway sections by taking reasonable measures.

The BLOC application is a tool that you may use to assist you in seeing the current BLOC score for segments of a road. It will also allow you to change such parameters as Shoulder Width, Through Lanes, Lane Width, IRI, HV and AADT to see what the impact would be on the BLOC score for that segment.

GIS Team

HISD

Prepared by the
Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
HIGHWAY INFORMATION SERVICES DIVISION

0 3 6 12 Miles

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